

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A method of a page generation/access, comprising:

- a) determining a predetermined set of page update events;
- b) generating a dynamic page based upon a page template and a page generation call with an argument in response to at least one of said page update events in advance of a user page access request;
 - c1) storing said generated page in a table a file name of said generated dynamic page in association with a page update trigger and a page generation call of said dynamic page;
 - c2) generating an additional page by executing the page generation call in response to the page update trigger and storing the additional page generated by a template contained in the page generation call in association with the file name in the table; and
- d) outputting said stored dynamic page and said additional page in response to said user page access request containing the page generation call.

Claim 2 (currently amended) The method of a page generation/access according to claim 1 wherein said page includes data which is formatted by a template, said step b) generating said page based upon a corresponding pair of the data and the template said step b) places a command execution result as a character string in the page template, the command execution result being obtained by executing a command in the page template for running an application program based on the argument in the page generation call.

Claim 3 (currently amended) The method of a page generation/access according to claim 2-1 wherein said template further includes immediate executable commands and delayed executable commands, said step b) executing immediate executable commands, said step b) also converting said delayed executable commands into executable commands in said page.

Claim 4 (original) The method of a page generation/access according to claim 3 wherein said step d) further comprising: e) executing said converted executable commands in response to said user page access request prior to said outputting.

Claim 5 (original) The method of a page generation/access according to claim 4 wherein said step e) optionally incorporates in said page information from said user page access request.

Claim 6 (original) The method of a page generation/access according to claim 1 wherein said page update events include a time trigger event, a data update event and a user specified event.

Claim 7 (original) The method of a page generation/access according to claim 6 wherein an update flag is initialized to off, in response to said data update event, said update flag is turned on, said step is performed based upon said update flag.

Claim 8 (currently amended) The method of a page generation/access according to claim 1 wherein said step b) is repeated between said steps c₂) and d) if another one of said page update events occurs after said step c₂).

Claim 9 (original). The method of a page generation/access according to claim 1 wherein said page after said step b) is stored in a proxy server.

Claim 10 (currently amended) The method of a page generation/access according to claim 1 wherein said steps a), b), c1), C2 and d) take place at a server site.

Claim 11 (currently amended) The method of a page generation/access according to claim 1 wherein said steps a), b), c1), C2) and d) take place at a client site.

12. A system for generating and accessing a page, comprising:

a batch page generation control unit for determining a page to be generated in response to at least one of a predetermined set of page update events;

a batch page generation unit connected to said batch page generation control unit for generating said dynamic page based upon a page template and a page generation call with an argument in response to the one of said page update events in advance of a user page access request, said batch page generation unit generating an additional page by executing the page generation call in response to the page update trigger;

a memory unit connected to said batch page generation unit for storing said newly generated dynamic page; in a table a file name of said generated dynamic page in association with a page update trigger and a page generation call of said dynamic page, said memory unit also storing the additional page generated by a template contained in the page generation call in association with the file name in the table; and

an output unit connected to said memory unit for outputting said stored dynamic page and said additional page in response to said user page access request containing the page generation call.

Claim 13 (original) The system for generating and accessing a page according to claim 12 wherein said page includes data that is formatted by a template, said batch page generating unit generating said page based upon a corresponding pair of the data and the template.

Claim 14 (original) The system for generating and accessing a page according to claim 13 wherein said template further includes immediate executable commands and delayed executable commands, said batch page generation unit executing immediate executable commands, said batch page generation unit also converting said delayed executable commands into executable commands in said page.

Claim 15 (original) The system for generating and accessing a page according to claim 14 wherein said batch page generation unit further executing said converted executable commands in response to said user page access request prior to outputting.

Claim 16 (original) The system for generating and accessing a page according to claim 15 wherein said batch page generation unit optionally incorporates in said page information from said user page access request.

Claim 17 (currently amended) The system for generating and accessing a page according to claim 11-12 wherein said page update events include a time trigger event, a data update event and a user specified event.

Claim 18 (original) The system for generating and accessing a page according to claim 17 wherein said batch page generation unit initializes an update flag to off, in response to said data update event, said batch page generation control unit turning said update flag on, said batch page generation unit performs the page generation based upon said update flag.

Claim 19 (currently amended) The system for generating and accessing a page according to claim 11-12 wherein said batch page generation unit repeats the page generation after said memory unit stores said page and said output unit outputs said page if another one of said page update events occurs.

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Response to Office Action of August 8, 2003

Claim 20 (currently amended) The system for generating and accessing a page according to claim 11-12 wherein said memory unit is located in a proxy server.

Claim 21 (currently amended) The system for generating and accessing a page according to claim 11-12 wherein said batch page generation control unit, said batch page generation unit, said memory unit and said output unit are located at a server site.

Claim 22 (currently amended) The system for generating and accessing a page according to claim 11-12 wherein said batch page generation control unit, said batch page generation unit, said memory unit and said output unit are located at a client site.

Claim 23 (new) A method of accessing a Web page, comprising the steps of:

- a) detecting a predetermined Web page generation event;
- b) generating an entire dynamic Web page in response to said predetermined Web page generation event;
- c) storing the dynamically generated entire Web page at a memory location that is referenced by a corresponding one of predetermined URL's;
- d) determining if a URL matches one of the predetermined URL's; and
- e) accessing the stored dynamically generated entire Web page based upon said step d).

Claim 24 (new) The method of accessing a Web page according to claim 21-23 wherein said step b) further comprising additional steps of :

speculating an argument for a page generation call to generate the dynamic Web page;

executing a command in a template of the dynamic Web page with the argument to generate a execution result; and

placing the execution result in the dynamic Web page.

Claim 25 (new) The method of accessing a Web page according to claim 21-23 wherein said step d) further comprising a step of additionally determining if the dynamically generated Web page requires a further update.

Claim 26 (new) The method of accessing a Web page according to claim 24 wherein the command includes an immediate executable command and a delayed executable command.

Claim 27 (new) The method of accessing a Web page according to claim 26 wherein the delayed executable command is executed in response to said step e).

Claim 28 (new) The method of accessing a Web page according to claim 23 wherein the predetermined Web page generation event includes a time trigger event, a data update event and a user specified event.

Claim 29 (new) The method of accessing a Web page according to claim 23 wherein the dynamically generated Web page is stored in a proxy server in said step c).

Claim 30 (new) The method of accessing a Web page according to claim 23 wherein said steps a) through e) take place at a client site.

Claim 31 (new) The method of accessing a Web page according to claim 23 wherein said steps a) through e) take place at a server site.

Claim 32 (new) A system for accessing a Web page, comprising:

a batch page generation control unit for detecting a predetermined Web page generation event;

a batch page generation unit connected to said batch page generation control unit for generating an entire dynamic Web page in response to said predetermined Web page generation event; and

a memory unit connected to said batch page generation unit for storing the dynamically generated entire Web page at a memory location that is referenced by a corresponding one of predetermined URL's;

wherein said batch page generation control unit determines if a URL matches one of the predetermined URL's and allows access to the stored dynamically generated entire Web page.

Claim 33 (new) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit further specifies an argument for a page generation call to generate the dynamic Web page, executes a command in a template of the dynamic Web page with the argument to generate a execution result and places the execution result in the dynamic Web page.

Claim 34 (new) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit further determining if the dynamically generated Web page requires a further update.

Claim 35 (new) The system for accessing a Web page according to claim 33 wherein the command includes an immediate executable command and a delayed executable command.

Claim 36 (new) The system for accessing a Web page according to claim 35 wherein the delayed executable command is executed in response to user access.

Claim 37 (new) The system for accessing a Web page according to claim 32 wherein the predetermined Web page generation event includes a time trigger event, a data update event and a user specified event.

Claim 38 (new) The system for accessing a Web page according to claim 32 wherein the dynamically generated Web page is stored in said memory unit in a proxy server.

Claim 39 (new) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit, said batch page generation unit and said memory unit are located at a client site.

Claim 40 (new) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit, said batch page generation unit and said memory unit are located at a server site.